

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A polypeptide selected from the group consisting of:
 - (a) a polypeptide comprising the amino acid sequence of SEQ ID NO:1, wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions cellulase having (1) an amino acid sequence in which a 162nd amino acid and/or a 166th amino acid in the amino acid sequence of SEQ ID NO: 1 are substituted,
 - (b) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has one additional amino acid at the N-terminus of said polypeptide, and wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions,
 - (c) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has a deletion of the N-terminal amino acid of said polypeptide, and wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions,
 - (d) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has a plurality of additional amino acids at the N-terminus of said polypeptide, and wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions, and
 - (e) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has a plurality of amino acids deleted from the N-terminus of said polypeptide, and wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an

amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions or (2) an amino acid sequence in which one or plural amino acids are added to or deleted from the N-terminus of the amino acid sequence (1).

2. (currently amended) The polypeptide cellulase according to claim 1, wherein said polypeptide comprises having the amino acid sequence of SEQ ID NO: 3.

3. (currently amended) The polypeptide cellulase according to claim 1, wherein the amino acid at position 166 the 166th position is substituted with glutamic acid or aspartic acid.

4. (withdrawn - currently amended) The polypeptide cellulase according to claim 13, wherein said polypeptide comprises having the amino acid sequence of SEQ ID NO: 4.

5. (withdrawn - currently amended) The polypeptide according to claim 1, wherein said polypeptide comprises A cellulase having the amino acid sequence of SEQ ID NO: 5.

6. (withdrawn - currently amended) A polynucleotide encoding the polypeptide cellulase according to claim 1.

7. (withdrawn - original) An expression vector comprising the polynucleotide according to claim 6.

8. (withdrawn - original) A host cell transformed with the expression vector according to claim 7.

9. (withdrawn - currently amended) A method process for producing a polypeptide selected from the group consisting of:

(a) a polypeptide comprising the amino acid sequence of SEQ ID NO:1, wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions,

(b) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has one additional amino acid at the N-terminus of said polypeptide, and wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions,

(c) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has a deletion of the N-terminal amino acid of said polypeptide, and wherein

said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions,

(d) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has a plurality of additional amino acids at the N-terminus of said polypeptide, and wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions, and

(e) a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, wherein said polypeptide has a plurality of amino acids deleted from the N-terminus of said polypeptide, and wherein said polypeptide has an amino acid substitution at position 162 of SEQ ID NO:1, an amino acid substitution at position 166 of SEQ ID NO:1, or an amino acid substitution at both positions~~the cellulase according to claim 1, comprising the steps of:~~

cultivating the host cell of claim 8 under conditions promoting expression of the polypeptide, and

recovering~~collecting the polypeptide cellulase from the host cell and/or culture obtained by the cultivation.~~

10. (currently amended) A cellulase composition~~preparation~~ comprising the polypeptide cellulase according to claim 1 and one or more members selected from the group consisting of a filler, an antiseptic and a nonionic surfactant.

11. (currently amended) A washing composition comprising the polypeptide cellulase according to claim 1 or the cellulase preparation and one or more members selected from the group consisting of a surfactant, a bleach, a tarnish inhibitor, a soil release polymer, a second enzyme, an enzyme stabilizer, an optical brightener and a foaming agent.

12. (withdrawn - currently amended) A method of treating a cellulose-containing fabric, comprising contacting a the step of bringing the cellulose-containing fabric into contact with the polypeptide cellulase according to claim 1, the cellulase preparation, or the washing composition.

13. (withdrawn - currently amended) A method of reducing fuzzing of a cellulose-containing fabric or reducing a rate of the formation of fuzz, comprising contacting a the step of

~~bringing the cellulose-containing fabric into contact with the polypeptide cellulase according to claim 1, the cellulase preparation, or the washing composition.~~

14. (withdrawn - currently amended) A method of reducing weight to improve the touch and appearance of a cellulose-containing fabric, comprising contacting a the step of ~~bringing the cellulose-containing fabric into contact with the polypeptide cellulase according to claim 1, the cellulase preparation, or the washing composition.~~

15. (withdrawn - currently amended) A method of color clarification of a colored cellulose-containing fabric, comprising contacting a the step of bringing the colored cellulose-containing fabric into contact with the polypeptide cellulase according to claim 1, the cellulase preparation, or the washing composition.

16. (withdrawn - currently amended) A method of providing a localized color variation to colored cellulose-containing fabric, comprising contacting a the step of bringing the colored cellulose-containing fabric into contact with the polypeptide cellulase according to claim 1, the cellulase preparation, or the washing composition.

17. (withdrawn - currently amended) A method of reducing stiffness of a cellulose-containing fabric or reducing a rate of the formation of stiffness, comprising contacting a the step of bringing the cellulose-containing fabric into contact with the polypeptide cellulase according to claim 1, the cellulase preparation, or the washing composition.

18. (withdrawn - currently amended) The method according to claim 12, wherein the cellulose-containing fabric is contacted with the polypeptide according to claim 1 by treatment of the fabric is carried out by soaking, washing, or rinsing the fabric in the presence of the polypeptide according to claim 1.

19. (withdrawn - currently amended) A method of de-inking waste paper, comprising contacting the step of treating the waste paper in need of de-inking with the polypeptide cellulase according to claim 1 or the cellulase preparation together with a deinking agent.

20. (withdrawn - currently amended) A method of improving a freeness of paper pulp, comprising contacting the step of treating the paper pulp with the polypeptide cellulase according to claim 1 or the cellulase preparation.

21. (withdrawn - currently amended) A method of improving a digestibility of animal feed, comprising ~~the step of treating the animal feed with the polypeptide cellulase according to claim 1 or the cellulase preparation according to.~~